

# Sources & search methods for the Cochrane Airways Trials Register

November 2018

## Sources

### Electronic searches: core databases

Database	Dates searched	Frequency of search
CENTRAL (via the Cochrane Register of Studies - CRS)	From inception	Monthly
MEDLINE (Ovid)	1946 onwards	Weekly
EMBASE (Ovid)	1974 onwards	Weekly
PsycINFO (Ovid)	1967 onwards	Monthly
CINAHL (EBSCO)	1937 onwards	Monthly

### Handsearches: core respiratory conference abstracts

Conference	Years searched
American Academy of Allergy, Asthma and Immunology (AAAAI)	2001 onwards
American Thoracic Society (ATS)	2001 onwards
Asia Pacific Society of Respiriology (APSR)	2004 onwards
British Thoracic Society Winter Meeting (BTS)	2000 onwards
Chest Meeting	2003 onwards
European Respiratory Society (ERS)	1992, 1994, 2000 onwards
International Primary Care Respiratory Group Congress (IPCRG)	2002 onwards
Thoracic Society of Australia and New Zealand (TSANZ)	1999 onwards

## Database search strategies

### CENTRAL via the Cochrane Register of Studies (CRS Web)

- #1 MESH DESCRIPTOR Asthma EXPLODE ALL
- #2 asthma\*:ti,ab
- #3 (antiasthma\* or anti-asthma\*):TI,AB,KY
- #4 MESH DESCRIPTOR Respiratory Sounds EXPLODE ALL
- #5 wheez\*:ti,ab
- #6 MESH DESCRIPTOR Bronchial Spasm EXPLODE ALL
- #7 bronchospas\*:ti,ab
- #8 (bronch\* near3 spasm\*):TI,AB,KY
- #9 bronchoconstrict\*:ti,ab
- #10 MESH DESCRIPTOR Bronchoconstriction EXPLODE ALL

- #11 (bronch\* near3 constrict\*):TI,AB,KY
- #12 MESH DESCRIPTOR Bronchial Hyperreactivity EXPLODE ALL
- #13 MESH DESCRIPTOR Respiratory Hypersensitivity  
 ((bronchial\* or respiratory or airway\* or lung\*) near3 (hypersensitiv\*  
 or hyperreactiv\* or allerg\* or insufficien\*)):ti,ab
- #14 ((dust or mite\*) near3 (allerg\* or hypersensitiv\*)):ti,ab
- #15 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11  
 OR #12 OR #13 OR #14 OR #15
- #16 MESH DESCRIPTOR Pulmonary Aspergillosis EXPLODE ALL
- #17 MESH DESCRIPTOR Lung Diseases, Fungal
- #18 MESH DESCRIPTOR Aspergillosis
- #19 #18 AND #19
- #20 (bronchopulmonary near3 aspergill\*):TI,AB,KY
- #21 #21 OR #20 OR #17
- #22 #22 OR #16
- #23 MESH DESCRIPTOR Lung Diseases, Obstructive  
 MESH DESCRIPTOR Pulmonary Disease, Chronic Obstructive EXPLODE  
 ALL
- #24 emphysema\*:ti,ab
- #25 (chronic\* near3 bronchiti\*):ti,ab  
 ((obstruct\*) near3 (pulmonary or lung\* or airway\* or airflow\* or  
 bronch\* or respirat\*)):ti,ab
- #26 COPD:ti,ab
- #27 COAD:ti,ab
- #28 COBD:ti,ab
- #29 AECB or AECOPD:ti,ab
- #30 #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32
- #31 MESH DESCRIPTOR Bronchiectasis EXPLODE ALL
- #32 bronchiect\*:ti,ab
- #33 bronchoect\*:ti,ab
- #34 kartagener\*:TI,AB,KY  
 (ciliary near3 dyskinesia):TI,AB,KY
- #35 (bronchial\* near3 dilat\*):TI,AB,KY
- #36 #39 OR #38 OR #37 OR #36 OR #35 OR #34
- #37 MESH DESCRIPTOR Sleep Apnea Syndromes EXPLODE ALL
- #38 (sleep near3 (apnea\* or apnoea\*)):ti,ab
- #39 (hypopnea\* or hypopnoea\*):ti,ab
- #40 OSA:ti,ab
- #41 SHS:ti,ab
- #42 OSAHS:ti,ab
- #43 #41 OR #42 OR #43 OR #44 OR #45 OR #46
- #44 MESH DESCRIPTOR Lung Diseases, Interstitial EXPLODE ALL  
 (interstitial\* or diffuse\* or parenchymal\*) near3 (lung\* or disease\* or  
 pneumon\*):ti,ab
- #45 ((pulmonary\* or lung\*) near3 (sarcoid\* or granulom\*)):ti,ab
- #46 ((pulmonary\* or lung\* or alveoli\*) near3 (fibros\* or fibrot\*)):ti,ab
- #47 ILD or IPF:ti,ab
- #48 #48 OR #49 OR #50 OR #51 OR #52

- #54 MESH DESCRIPTOR Hypertension, Pulmonary EXPLODE ALL
- #55 (pulmonary near3 hypertens\*):ti,ab
- #56 PAH or IPAH:ti,ab
- #57 #56 OR #55 OR #54
- #58 MESH DESCRIPTOR Cough
- #59 chronic\* near3 cough\*:ti,ab
- #60 #58 OR #59
- #61 #60 OR #57 OR #53 OR #47 OR #40 OR #33 OR #23
- #62 SRTAG
- #63 #61 NOT #62

### **MEDLINE (Ovid)**

1. exp Asthma/
2. asthma\$.mp.
3. (antiasthma\$ or anti-asthma\$).mp.
4. Respiratory Sounds/
5. wheez\$.mp.
6. Bronchial Spasm/
7. bronchospas\$.mp.
8. (bronch\$ adj3 spasm\$).mp.
9. bronchoconstrict\$.mp.
10. exp Bronchoconstriction/
11. (bronch\$ adj3 constrict\$).mp.
12. Bronchial Hyperreactivity/
13. Respiratory Hypersensitivity/
14. ((bronchial\$ or respiratory or airway\$ or lung\$) adj3 (hypersensitiv\$ or hyperreactiv\$ or allerg\$ or insufficiency\$)).mp.
15. ((dust or mite\$) adj3 (allerg\$ or hypersensitiv\$)).mp.
16. or/1-15
17. exp Aspergillosis, Allergic Bronchopulmonary/
18. lung diseases, fungal/
19. aspergillosis/
20. 18 and 19
21. (bronchopulmonar\$ adj3 aspergillosis).mp.
22. 17 or 20 or 21
23. 16 or 22
24. Lung Diseases, Obstructive/
25. exp Pulmonary Disease, Chronic Obstructive/
26. emphysema\$.mp.
27. (chronic\$ adj3 bronchiti\$).mp.
28. (obstruct\$ adj3 (pulmonary or lung\$ or airway\$ or airflow\$ or bronch\$ or respirat\$)).mp.
29. COPD.mp.
30. COAD.mp.
31. COBD.mp.
32. AECB.mp.
33. or/24-32
34. exp Bronchiectasis/
35. bronchiect\$.mp.

36. bronchoect\$.mp.
37. kartagener\$.mp.
39. (bronchial\$ adj3 dilat\$).mp.
40. or/34-39
41. exp Sleep Apnea Syndromes/
42. (sleep\$ adj3 (apnea\$ or apnoea\$)).mp.
43. (hypopnea\$ or hypopnoea\$).mp.
44. OSA.mp.
45. SHS.mp.
46. OSAHS.mp.
47. or/41-46
48. Lung Diseases, Interstitial/
49. Pulmonary Fibrosis/
50. Sarcoidosis, Pulmonary/
51. (interstitial\$ adj3 (lung\$ or disease\$ or pneumon\$)).mp.
52. ((pulmonary\$ or lung\$ or alveoli\$) adj3 (fibros\$ or fibrot\$)).mp.
53. ((pulmonary\$ or lung\$) adj3 (sarcoid\$ or granulom\$)).mp.
54. or/48-53
55. exp Hypertension, Pulmonary/
56. (pulmonary adj3 hypertens\$).ti,ab.
57. PAH.ti,ab.
58. IPAH.ti,ab.
59. or/55-58
60. 23 or 33 or 40 or 47 or 54 or 59
61. (clinical trial or controlled clinical trial or randomized controlled trial).pt.
62. (randomized or randomised).ab,ti.
63. placebo.ab,ti.
64. dt.fs.
65. randomly.ab,ti.
66. trial.ab,ti.
67. groups.ab,ti.
68. or/61-67
69. Animals/
70. Humans/
71. 69 not (69 and 70)
72. 68 not 71
73. 60 and 72

### **Embase (Ovid)**

1. Randomized Controlled Trial/
2. randomization/
3. controlled clinical trial/
4. Double Blind Procedure/
5. Single Blind Procedure/
6. Crossover Procedure/
7. (clinica\$ adj3 trial\$).tw.
8. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj3 (mask\$ or blind\$ or method\$)).tw.
9. exp Placebo/

10. placebo\$.ti,ab.
11. random\$.tw.
12. ((control\$ or prospectiv\$) adj3 (trial\$ or method\$ or stud\$)).tw.
13. (crossover\$ or cross-over\$).ti,ab.
14. or/1-13
15. exp animals/ or exp invertebrate/ or animal experiment/ or animal model/ or animal tissue/ or animal cell/ or nonhuman/
16. human/ or normal human/ or human cell/
17. 15 and 16
18. 15 not 17
19. 14 not 18
20. exp Asthma/
21. asthma\$.mp.
22. (antiasthma\$ or anti-asthma\$).mp.
23. Abnormal Respiratory Sound/
24. Wheezing/
25. wheez\$.mp.
26. Bronchospasm/
27. bronchospas\$.mp.
28. (bronch\$ adj3 spasm\$).mp.
29. bronchoconstrict\$.mp.
30. Bronchus Hyperreactivity/
31. Respiratory Tract Allergy/
32. ((bronchial\$ or respiratory or airway\$ or lung\$) adj3 (hypersensitiv\$ or hyperreactiv\$ or allerg\$ or insufficiency\$)).mp.
33. House Dust Allergy/
34. ((dust or mite\$) adj3 (allerg\$ or hypersensitiv\$)).mp.
35. or/20-34
36. Bronchopulmonary Aspergilloma/
37. Lung Aspergillosis/
38. (bronchopulmonar\$ adj3 aspergillo\$).mp.
39. or/36-38
40. 35 or 39
41. Chronic Obstructive Lung Disease/
42. Obstructive Airway Disease/
43. Chronic Bronchitis/
44. Lung Emphysema/
45. emphysema\$.mp.
46. (chronic\$ adj3 bronchiti\$).mp.
47. (obstruct\$ adj3 (pulmonary or lung\$ or airway\$ or airflow\$ or bronch\$ or respirat\$)).mp.
48. COPD.mp.
49. COAD.mp.
50. COBD.mp.
51. AECEB.mp.
52. or/41-51
53. exp Bronchiectasis/
54. bronchiect\$.mp.
55. bronchoect\$.mp.
56. kartagener\$.mp.

57. (ciliary adj3 dyskinesia).mp.
58. (bronchial\$ adj3 dilat\$).mp.
59. or/53-58
60. Sleep Apnea Syndrome/
61. (sleep\$ adj3 (apnea\$ or apnoea\$)).mp.
62. (hypopnea\$ or hypopnoea\$).mp.
63. OSA.mp.
64. SHS.mp.
65. OSAHS.mp.
66. or/60-65
67. 40 or 52 or 59 or 66
68. Interstitial Lung Disease/
69. Fibrosing Alveolitis/
70. Interstitial Pneumonia/
71. Lung Fibrosis/
72. (interstitial\$ adj3 (lung\$ or disease\$ or pneumon\$)).mp.
73. ((pulmonary\$ or lung\$ or alveoli\$) adj3 (fibros\$ or fibrot\$)).mp.
74. ((pulmonary\$ or lung\$) adj3 (sarcoid\$ or granulom\$)).mp.
75. or/68-74
76. 67 or 75
77. 19 and 76

### **PsycINFO (Ovid)**

1. random\$.mp.
2. (clinical adj5 trial\$).mp.
3. (control\$ adj5 trial\$).mp.
4. ((clinical or control\$ or comparativ\$) adj5 (study or studies)).mp.
5. placebo\$.mp.
6. (single blind\$ or single-blind\$).mp.
7. (double blind\$ or double-blind\$).mp.
8. (triple blind\$ or triple-blind\$).mp.
9. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10. exp asthma/
11. asthma\$.mp.
12. (antiasthma\$ or anti-asthma\$).mp.
13. wheez\$.mp.
14. bronchospas\$.mp.
15. (bronch\$ adj3 spasm\$).mp.
16. bronchoconstrict\$.mp.
17. (bronch\$ adj3 constrict\$).mp.
18. ((bronchial\$ or respiratory or airway\$ or lung\$) adj3 (hypersensitiv\$ or hyperreactiv\$ or allerg\$ or insufficiency)).mp.
19. ((dust or mite\$) adj3 (allerg\$ or hypersensitiv\$)).mp.
20. ((bronchopulmonar\$ or lung\$) adj3 aspergillosis).mp.
21. lung disorders/
22. pulmonary emphysema/
23. (chronic\$ adj3 bronchiti\$).mp.
24. emphysema\$.mp.

25. (obstruct\$ adj3 (pulmonary or lung\$ or airway\$ or airflow\$ or bronch\$ or respirat\$)).mp.
26. COPD.mp.
27. COAD.mp.
28. COBD.mp.
29. AECB.mp.
30. bronchiect\$.mp.
31. bronchoect\$.mp.
32. kartagener\$.mp.
33. (ciliary adj3 dyskinesia).mp.
34. (bronchial\$ adj3 dilat\$).mp.
35. exp sleep apnea/
36. (sleep\$ adj3 (apnea\$ or apnoea\$)).mp.
37. (hypopnea\$ or hypopnoea\$).mp.
38. OSA.mp.
39. SHS.mp.
40. OSAHS.mp.
41. (interstitial\$ adj3 (lung\$ or disease\$ or pneumon\$)).mp.
42. ((pulmonary\$ or lung\$ or alveoli\$) adj3 (fibros\$ or fibrot\$)).mp.
43. ((pulmonary\$ or lung\$) adj3 (sarcoid\$ or granulom\$)).mp.
44. (chronic\$ adj3 cough\$).mp.
45. (pulmonary\$ adj3 hypertens\$).mp.
46. (pulmonary\$ adj3 heart\$).mp.
47. or/10-46
48. 9 and 47

### CINAHL (EBSCO)

- |     |  |
|-----|--|
| S50 | S42 AND S49  |
| S49 | S43 OR S44 OR S45 OR S46 OR S47 OR S48                       |
| S48 | crossover or cross-over*                                     |
| S47 | (single* or double* or triple*) N3 blind*                    |
| S46 | clinical* N3 (trial* or study or studies)                    |
| S45 | placebo*   |
| S44 | random*  |
| S43 | (MH "Clinical Trials")                                       |
| S42 | S12 or S22 or S28 or S33 or S38 or S41                       |
| S41 | S39 or S40   |
| S40 | chronic* N3 cough*   |
| S39 | (MH "Cough")   |
| S38 | S34 or S35 or S36 or S37                                     |
| S37 | ((pulmonary* or lung*) AND (sarcoid* or granulom*))          |
| S36 | ((pulmonary* or lung* or alveoli*) AND (fibros* or fibrot*)) |
| S35 | interstitial* AND (lung* or disease* or pneumon*)            |
| S34 | (MH "Lung Diseases, Interstitial+")                          |
| S33 | S29 or S30 or S31 or S32                                     |
| S32 | OSA or SHS or OSAHS  |
| S31 | sleep* n3 apnoea*  |

S30 sleep\* n3 apnea\*  
 S29 (MH "Sleep Apnea, Obstructive")  
 S28 S23 or S24 or S25 or S26 or S27  
 S27 bronchial\* N3 dilat\*  
 S26 ciliary N3 dyskinesia  
 S25 kartagener\*  
 S24 bronchiect\* or bronchoect\*  
 S23 (MH "Bronchiectasis")  
 S22 S15 or S16 or S17 or S18 or S19 or S20 or S21  
 S21 COPD or COAD or COBD or AECB  
 S20 (pulmonary or lung\* or airway\* or airflow\* or bronch\* or  
 respirat\*) and obstruct\*  
 S19 chronic\* N3 bronchiti\*  
 S18 emphysema\*  
 S17 (MH "Emphysema")  
 S16 (MH "Pulmonary Disease, Chronic Obstructive+")  
 S15 (MH "Lung Diseases, Obstructive")  
 S14 S12 or S13  
 S13 bronchopulmonar\* N3 aspergill\*  
 S12 S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or  
 S11  
 S11 "house dust mites"  
 S10 (MH "Respiratory Hypersensitivity+")  
 S9 bronch\* N3 constrict\*  
 S8 bronchoconstrict\*  
 S7 bronch\* N3 spasm\*  
 S6 bronchospas\*  
 S5 wheez\*  
 S4 (MH "Respiratory Sounds+")  
 S3 antiasthma\* or anti-asthma\*  
 S2 asthma\*  
 S1 (MH "Asthma+")